SIEMENS

Data sheet

3RA2115-0HA15-1AP6



Fuseless motor starter Direct start 600VAC Size S00 0.55-0.8A 220/240VAC 50/60HZ screw connection For screw mounting Or 35 mm rail-mounting Type of coordination 2 IQ = 150 KA Also full fills type Of coordination 1 1NO+1NC (MSP) 1NO (contactor)

design of the product direct starter	product brand name	SIRIUS		
manufacturer's article number of the supplied contactor of the supplied contactor supplied link module 3RA1921-1DA00 General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch resultation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value degree of performance in the first product system of the first product extension auxiliary switch degree of pollution 3 surge voltage resistance rated value degree of pollution 3 surge voltage resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature olduring operation during storage olduring transport -55 +80 °C during transport -55 +80 °C degree of pollution adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum operational current at AC-3 et at 400 V rated value 180 W at 400 V rated value 250 W control circuit/ Control	product designation	non-fused motor starter 3RA2		
of the supplied contactor of the supplied circuit-breakers of the supplied link module General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment Ambient conditions ambient temperature during operation during storage during transport design of the switching contact adjustable current response value current of the current-dependent verload release operating voltage	design of the product	direct starter		
of the supplied circuit-breakers of the supplied link module 3RA1921-1DA00 General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature ouring operation during storage during storage during transport feed during transport Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage a ted value at AC-3 rated value maximum operation power at AC-3 at 400 V rated value at 600 V V rated value at 600 V rated value	manufacturer's article number			
• of the supplied link module General technical data size of the circuit-breaker size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during operation during storage during transport -55 +80 °C during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 • at 400 V rated value at 500 V rated value at 500 V rated value at 600 V surface AC-3 • at 400 V rated value at 600 V rated value	 of the supplied contactor 	3RT2015-1AP61		
size of the circuit-breaker S00 size of load feeder S00 product extension auxiliary switch Yes insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 at AC rated value 680 V shock resistance according to IEC 60068-2-27 69 / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during operation -50 +80 °C • during storage -55 +80 °C Main circuit number of poles for main current circuit 3 design of the switching contact eladus current of the current-dependent overload release operating voltage • rated value 890 V operating frequency rated value 690 V operating power at AC-3 • at 400 V rated value 180 W • at 500 V rated value 250 W • at 500 V rated value 250 W • at 500 V rated value 370 W Control circuit/ Control	 of the supplied circuit-breakers 	3RV2011-0HA15		
size of the circuit-breaker S00 size of load feeder S00 product extension auxiliary switch S00 Yes insulation voltage with degree of pollution 3 at AC rated value Size of load feeder S00 V surpe voltage resistance rated value Size of pollution Size of S00 V shock resistance according to IEC 60068-2-27 S0 S00 S00 S00 S00 S00 S00 S00 S00 S00	 of the supplied link module 	3RA1921-1DA00		
size of load feeder product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during operation during storage during transport -55 +80 °C Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value operating frequency rated value operating power at AC-3 at 400 V rated value at 500 V rated value at 690 V valed value at 690 V valed value at 690 V rated value at 690 V rated value at 690 V rated value 370 W Control circuit/Control	General technical data			
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 at AC rated surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature oduring storage 55 +80 °C 55 +80 °C 60 +80 °C 75	size of the circuit-breaker	S00		
insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature • during storage • during storage • during transport -55 +80 °C design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	size of load feeder	S00		
degree of pollution surge voltage resistance rated value shock resistance according to IEC 60068-2-27 mechanical service life (switching cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during operation during storage during transport number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage rated value dear AC-3 rated value operational current at AC-3 at 400 V rated value at 500 V rated value at 600 V rated value 370 W Control circuit/ Control	product extension auxiliary switch	Yes		
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type of assignment 2 Ambient conditions ambient temperature • during operation -20 +60 °C • during storage -50 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit 3 design of the switching contact electromechanical adjustable current response value current of the current-dependent overload release operating voltage • rated value 690 V • at AC-3 rated value maximum 690 V operating frequency rated value 50 60 Hz operating power at AC-3 • at 400 V rated value 180 W • at 500 V rated value 250 W • at 690 V rated value 370 W Control circuit/ Control	shock resistance according to IEC 60068-2-27	_ 6g / 11 ms		
ambient temperature • during operation • during storage • during transport -50 +80 °C • during transport -55 +80 °C Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value		30 000 000		
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• during transport Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V operational current at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	 during operation 	-20 +60 °C		
Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V Operating frequency rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value	during storage	-50 +80 °C		
number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 300 V rated value 180 W • at 690 V rated value 370 W Control circuit/ Control	 during transport 	-55 +80 °C		
design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 370 W Control circuit/ Control	Main circuit			
adjustable current response value current of the current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 250 W • at 690 V rated value 370 W Control circuit/ Control	number of poles for main current circuit	3		
current-dependent overload release operating voltage • rated value • at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 370 W Control circuit/ Control	design of the switching contact	electromechanical		
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 at AC-3 rated value maximum 690 V operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value 370 W Control circuit/ Control	operating voltage			
operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value Sometimes of the second states of the s	 rated value 	690 V		
operational current at AC-3 at 400 V rated value operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 370 W Control circuit/ Control	at AC-3 rated value maximum	690 V		
operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 690 V rated value 370 W Control circuit/ Control	operating frequency rated value	50 60 Hz		
at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value Control circuit/ Control	operational current at AC-3 at 400 V rated value	0.6 A		
 at 500 V rated value at 690 V rated value Control circuit/ Control 	operating power at AC-3			
at 690 V rated value Control circuit/ Control 370 W	at 400 V rated value	180 W		
Control circuit/ Control	at 500 V rated value	250 W		
	at 690 V rated value	370 W		
control supply voltage at AC	Control circuit/ Control			
	control supply voltage at AC			

		For use in hazard-	Declaration of
Certificates/ approvals	gs. sale, for fortion conte	and more	
touch protection on the front according to IEC 60529	finger-safe, for vertical conta	act from the front	
protection class IP on the front according to IEC 60529	IP20		
proportion of dangerous failures with high demand rate according to SN 31920	73 %		
B10 value with high demand rate according to SN 31920	1 000 000		
Safety related data	4.000.003		
finely stranded with core end processing	3.0 2.0 mm		
connectable conductor cross-section for main contacts	0.5 2.5 mm ²	O.O. ZA (10 17), ZA 12	
at AWG cables for main contacts	2x (20 16), only for contactor 2x (18 14), 2x 12		
for main contacts stranded	0.5 4 mm², 2x (0.75 2.5	5 mm²)	
type of connectable conductor cross-sections	_ screw-type terminals		
type of electrical connection for main current circuit	screw-type terminals		
Connections/ Terminals	V IIIII		
— at the side	9 mm		
— upwarus — downwards	10 mm		
— backwards — upwards	0 mm 20 mm		
— forwards	0 mm		
• for live parts	0 mm		
— downwards	10 mm		
— at the side	9 mm		
— upwards	20 mm		
— backwards	0 mm		
— forwards	0 mm		
• for grounded parts	0		
required spacing			
depth	97.1 mm		
width	45 mm		
height	167.2 mm		
fastening method	Snap-mounted to DIN rail or	screw-mounted with a	dditional push-in lug
mounting position	vertical		
Installation/ mounting/ dimensions			
at 500 V according to IEC 60947-4-1 rated value	100 000 A		
at 400 V according to IEC 60947-4-1 rated value The following to IEC 60947-4-1 rated value The following to IEC 60947-4-1 rated value	153 000 A		
at 690 V according to IEC 60947-4-1 rated value at 400 V according to IEC 60047.4.1 rated value	100 000 A		
conditional short-circuit current (Iq)	400 000 4		
design of the short-circuit trip	magnetic		
product function short circuit protection	Yes		
Short-circuit protection			
unit			
response value current of instantaneous short-circuit trip	10.4 A		
design of the overload release	thermal (bimetallic)		
trip class	CLASS 10		
Protective and monitoring functions			
number of NO contacts for auxiliary contacts	2		
number of NC contacts for auxiliary contacts	1		
Auxiliary circuit			
inductive power factor with the holding power of the coil	0.25		
apparent holding power of magnet coil at AC	4.8 VA		
at 60 Hz rated value	192 264 V		
at 60 Hz rated value	240 V		
• at 50 Hz rated value	187 242 V		
 at 50 Hz rated value 	220 V		



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>







Marine / Shipping









Confirmation

other

Vibration and Shock

Railway

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2115-0HA15-1AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2115-0HA15-1AP6

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0HA15-1AP6

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2115-0HA15-1AP6&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2115-0HA15-1AP6/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2115-0HA15-1AP6&objecttype=14&gridview=view1

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